MODEL 129
MODEL 140 as of 1.6.96
MODEL 170
MODEL 163, 202 with CODE (240a) Outside temperature display
MODEL 202 as of 1.8.96
MODEL 168
MODEL 208 up to 31.7.99,
210 as of 1.6.96 up to 30.6.99

To display the temperature, the **outside temperature indicator A1p4** requires:

D the outside temperature
D the speed signal
D the engine running time
and
D the coolant temperature (model 129, and model 140 as of 1.6.96, model 170, model 202 as of 08/96 and model 163, model 168, model 210)

The outside temperature is determined by the outside temperature indicator temperature sensor B14. The temperature sensor is installed at the front left of the vehicle under the bumper and connected to the instrument cluster A1 via the 21 or 25-pin connector, coding part A terminal 1 and 2.

The speed signal, engine running time and engine temperature are determined internally by the instrument cluster A1.

Since the outside temperature display depends on the speed, engine running time and coolant temperature, high temperatures (influenced by the heat generated by the engine, for example) are not displayed when the vehicle is stationary or moving slowly.

Function, model 202 until 08/95
When the ignition is switched on and off and at speeds below approx. 20 km/h, the last temperature measured is stored and displayed.

If the measured outside temperature drops below the stored value, the current measured temperature is displayed.
If the outside temperature rises above the stored value, the current measured outside temperature is displayed only after the following delays:

D When the engine is not running, the current outside temperature is only displayed after 6 times the engine running time. For example, if the preceding running time was 5 minutes, the current temperature is not displayed until after 30 minutes. The maximum delay, however, is 1 hour.
Up to 09.94
D At vehicle speeds between 20-60 km/h, outside temperatures are displayed after a delay of approx. 5 min.
D At vehicle speeds over 60 km/h, outside temperatures are displayed after a delay of approx. 2 minutes.
As of 09.94
D At vehicle speeds between 20-45 km/h, outside temperatures are displayed after a delay of approx. 3 min.
D At vehicle speeds over 45 km/h, outside temperatures are displayed after a delay of approx. 1.5 min.

Function
Model 129, model 140 as of 1.6.96, model 170, model 202 as of 08/96, model 163, model 168, model 208 and model 210

D When the ignition is turned on or off
and with an engine temperature < 60°C
the current temperature is always stored and displayed.

D When the ignition is turned off
and with an engine temperature < 60°C
the temperature last measured is stored and displayed.

D When the ignition is turned on
and when an engine temperature < 60(C
The stored temperature is displayed.

If the measured outside temperature drops below the stored value, the current measured temperature is displayed.
If the outside temperature rises above the stored value, the current measured outside temperature is displayed only after the following delays:

D When the engine is not running, the current outside temperature is only displayed after 6 times the engine running time. For example, if the preceding running time was 5 minutes, the current temperature is not displayed until after 30 minutes. The maximum delay, however, is 1 hour.

D At vehicle speeds between 20-45 km/h, outside temperatures are displayed after a delay of approx. 3 minutes.

D At vehicle speeds above 45 km/h, outside temperatures are displayed after a delay of approx. 1.5 minutes.